CoCoALib - Feature #282

Global setting: to use IsProbPrime in place of IsPrime

04 Dec 2012 12:14 - John Abbott

Status:	New		**Start date:**	04 Dec 2012
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	CoCoALib-1.0		**Spent time:**	0.00 hour

Description

An idea: since **IsPrime** can be extremely slow for larger inputs, and since **IsProbPrime** is normally extremely reliable, we could allow the user to specify when creating the GlobalManager to allow calls to IsPrime to be redirected silently to IsProbPrime.

There are several other functions where a probabilistic version can be much faster than a fully deterministic equivalent; so it may be nice to offer flags for these too.

We could also put into the GlobalManager the default number of iterations which IsProbPrime performs. And similarly for any other default values?

History

#1 - 01 Aug 2014 08:59 - Anna Maria Bigatti

- Target version set to CoCoALib-1.0